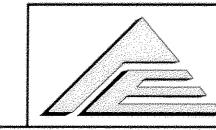
PROJECT DESCRIPTION

THIS INTERSECTION IS MD RTE 146 (DULANEY VALLEY ROAD AND RAMP "F" SPUR AND RAMP "G". CONSTRUCTION AT THIS INTERSECTION INVOLVES THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL. IT IS ASSUMED THAT MD 146 (DULANEY VALLEY ROAD) RUNS IN AN

A NEW EIGHT PHASE FULLY ACTUATED CONTROLLER WITH TELEMETRY MODULE HOUSED IN A POLE MOUNTED CABINET

THE TEMPORARY TRAFFIC SIGNAL SHALL BE REMOVED UPON COMPLETION OF STAGE IIA. THE REMOVAL OF THE TEMPORARY SIGNAL SHALL BE CONSULTED WITH THE DISTRICT ENGINEER BEFORE REMOVAL. REMOVAL SHALL INCLUDE, BUT NOT LIMITED TO POLE MOUNTED CONTROLLER, TEMPORARY WOOD POLES, SPAN WRE, SIGNAL HEADS, SPAN WRE MOUNTED SIGNS, HAND BOXES AND CONDUIT.



A/E GROUP, INC. ENGINEERS • PLANNERS 181 E. Main Street

REVISIONS

CHIEF, SIGNAL DESIGN SECTION DRAWN BY: M.J.G. ASST. DISTRICT ENGINEER, TRAFFIC

APPROVALS

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION

S.H.A. NO. BA 9775372

LOG MI.

EQUIPMENT LIST

DESCRIPTION

TELEMETRY

DESCRIPTION

AND TUNNEL VISORS

AND TUNNEL VISORS

TEST PIT EXCAVATION FURNISH AND INSTALL

FURNISH AND INSTALL

MARKING TAPE

PER ASSIGNMENT

P.V.C. RISER

P.V.C. RISER

CONDUIT-TRENCHED

DISTRIBUTION EQUIPMENT

INSTALL OVERHEAD SIGN

COVER EXISTING SIGN

COVER EXISTING SIGNAL HEAD

POLE MOUNTED LOCAL CABINET (SIZE 5) WITH DETECTION EQUIPMENT WITH

12 INCH 1 WAY 5 SECTION (R, Y, YA, G, GA)

8 PHASE ASC II CONTROLLER WITH

12 INCH 1 WAY 3 SECTION (R, Y, G) SIGNAL HEAD FOR SPAN MOUNTING

SIGNAL HEAD FOR SPAN MOUNTING

TEMPORARY PAVEMENT MARKING ARROW

REMOVE EXISTING PAVEMENT MARKINGS-

FURNISH AND INSTALL 3" WEATHERHEAD

FURNISH AND INSTALL 2" WEATHERHEAD

RELOCATE EXISTING 15' LIGHTING ARM

RELOCATE EXISTING GROUND MOUNTED SIGN

INSTALL SIGNAL HEAD (ANY TYPE)

REMOVE EXISTING PAVEMENT MARKING ARROW

24" WHITE TEMPORARY REFLECTIVE PAVEMENT

REMOVE AND DISPOSE OF EXISTING MATERIAL

FURNISH AND INSTALL TEMPORARY WOOD POLE

AND LUMINAIRE

FURNISH AND INSTALL 2" ELECTRICAL CONDUIT-

FURNISH AND INSTALL 3" ELECTRICAL CONDUIT-

FURNISH AND INSTALL 2" SCHEDULE 80 P.V.C.

FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE

FURNISH AND INSTALL CONTROL AND

INSTALL GROUND MOUNTED SIGN

FURNISH AND INSTALL ELECTRICAL CABLE-1 CONDUCTOR (NO. 4 AWG - THHN/THWN) FURNISH AND INSTALL ELECTRIC HANDHOLE

REMOVE EXISTING GROUND MOUNTED SIGN

FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (ALUMINUM SHIELDED)

FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG)

FURNISH AND INSTALL ELECTRICAL CABLE-7 CONDUCTOR (NO 14 AWG)

FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR TRAY CABLE (NO 12 AWG)

FURNISH AND INSTALL SAWCUT FOR SIGNAL

FURNISH AND INSTALL 15-FOOT LIGHTING

FURNISH AND INSTALL 25-FOOT LIGHTING

FURNISH AND INSTALL STEEL SPAN WIRE

INSTALL CONTROLLER AND CABINET-POLE MOUNT

FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)

RELOCATE EXISTING OVERHEAD SIGN

RELOCATE EXISTING SIGNAL HEAD

SPECIFICATION

SECTION

SP

SP

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR. SPECIFICATION

> SECTION 205

> > SP

SP

SP

SP

SP

SP

SP

SP

813

805

805

805

807

810

811

813

813

813

SP

814

810

810

810

810

810

815

818

818

819

816

A. EQUIPMENT TO BE SUPPLIED BY THE

UNIT

EΑ

EA

UNIT

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EΑ

EA

EA

EΑ

EΑ

EΑ

EΑ

EΑ

LF

EA

QUANTITY

QUANTITY

210

210

45

20

30

50

50

675

2420

530

1425

400

540

SS-22

R.W.P.

C.S.C

9-30-98

NONE

DES. BY:

CHK, BY:

DATE:

SCALE:

MD RTE 146 (DULANEY VALLEY RD.) SPUR TO EASTBOUND 1-695

(LOOP DETECTOR)

3/8" IN DIAMETER

ARM ON SIGNAL STRUCTURE

ARM ON SIGNAL STRUCTURE

GENERAL INFORMATION F.A.P. NO. ___

TRAFFIC CONTROL NOTES

TS/STD. NO. 3774X-GI 125 OF 155

SHEET NO.

I. GENERAL

EAST-WEST DIRECTION

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR (4) PHASE SEMI-TRAFFIC ACUATED MODE. NORTHBOUND AND SOUTHBOUND MD RTE 146 (DULANEY VALLEY ROAD) WILL OPERATE CONCURRENTLY AND EASTBOUND RAMP "G" WILL OPERATE SEPERATELY.

WILL BE INSTALLED.

III. SIGNAL REMOVAL

Westminster, Maryland 21157 A/E Job No. 93-253-002

11-03-98